**Earth Science**

**How and Where Earthquakes Occur & Studying Earthquakes (12.1-12.2 Outline)**

***AS YOU READ, RESPOND TO THE FOLLOWING:***

*Vocabulary*: **Define in your own words**

Elastic rebound-

Focus-

Epicenter-

P Wave-

S Wave-

Shadow zone-

Fault zone-

Magnitude-

Intensity-

Seimograph-

*Respond to the following:*

Explain the methods scientists use to locate an epicenter of an earthquake. Be specific. (2 pts)

Describe the scales used to measure magnitude and intensity of earthquakes. Be descriptive of what each scale describes. (4 pts)

Compare body and surface waves of earthquakes. Be specific. (2 pts)

How does the structure of Earth’s interior affect seismic waves? Be specific (2 pts)

Why do earthquakes generally occur at plate tectonic boundaries? (1 pt)

***ABOUT THE READING:***

Write two things that you learned from the reading.

1.

2.

*Write one question you have about Earthquakes.*